

**What is claimed is:**

**[Claim 1]** 1. An optical film attaching apparatus for attaching an optical film onto a substrate, the apparatus comprising:

a substrate conveyer for carrying and transporting substrates;  
an optical film adsorber facing the substrate conveyer for carrying optical films;  
an attaching device disposed along a conveying path of the substrates for attaching the optical film to the substrate; and  
a stop element disposed between the optical film adsorber and the attaching device to prevent an edge of the optical film from attaching to the substrate ahead of time.

**[Claim 2]** 2. The optical film attaching apparatus of claim 1, wherein the substrate conveyer has a carrying surface, the optical film adsorber has an adsorbing surface such that the adsorbing surface faces the substrate conveyer, and the stop element is disposed between the carrying surface of the substrate conveyer and the adsorbing surface of the optical film adsorber.

**[Claim 3]** 3. The optical film attaching apparatus of claim 1, wherein the stop element comprises an idler disposed in parallel to the edges of the optical film.

**[Claim 4]** 4. The optical film attaching apparatus of claim 1, wherein the stop element comprises a plurality of idlers arranged in parallel to the edges of the optical film.

**[Claim 5]** 5. The optical film attaching apparatus of claim 1, wherein the stop element is fabricated using steel.

**[Claim 6]** 6. The optical film attaching apparatus of claim 1, wherein the optical film comprises a polarizer.

**[Claim 7]** 7. The optical film attaching apparatus of claim 6, further comprising a detaching film disposed on a surface of the stop element to prevent adhesion with a plastic layer on the polarizer.

[Claim 8] 8. The optical film attaching apparatus of claim 1, wherein the substrate conveyer comprises a roller type conveyer.

[Claim 9] 9. The optical film attaching apparatus of claim 1, further comprising a dust-proof cover disposed between the optical film adsorber and the substrate conveyer.

[Claim 10] 10. The optical film attaching apparatus of claim 1, wherein the attaching device comprises a group of driving rollers.

[Claim 11] 11. A method of attaching optical films, comprising the steps of:

transporting a substrate using a substrate conveyer;  
carrying an optical film using an optical film adsorber;  
attaching the optical film to the substrate in a substrate conveying direction using an attaching device set up along the substrate conveying pathway; and  
disposing a stop element between the optical film adsorber and the attaching device to prevent an edge of the optical film from attaching to the substrate ahead of time.

[Claim 12] 12. The method of claim 11, wherein the substrate conveyer has a carrying surface and the optical film adsorber has an adsorbing surface such that the stop element is disposed between the carrying surface and the adsorbing surface.

[Claim 13] 13. The method of claim 11, wherein the stop element comprises an idler disposed in parallel to the edges of the optical film.

[Claim 14] 14. The method of claim 11, wherein the stop element comprises a plurality of idlers arranged in parallel to the edges of the optical film.

[Claim 15] 15. The method of claim 11, wherein the stop element is fabricated using steel.

[Claim 16] 16. The method of claim 11, wherein the optical film comprise a polarizer.

- [Claim 17] 17. The method of claim 16, wherein a detaching film is disposed on a surface of the stop element to prevent adhesion with a plastic layer on the polarizer.
- [Claim 18] 18. The method of claim 11, wherein the substrate conveyer comprises a roller type conveyer.
- [Claim 19] 19. The method of claim 11, wherein a dust-proof cover is disposed between the optical film adsorber and the substrate conveyer.
- [Claim 20] 20. The method of claim 11, wherein the attaching device comprises a group of driving rollers.